

ge	RBR	Release	text	req_interpretation
:	EOC-5010#A		The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing: a. Real-time spacecraft and instrument housekeeping data b. Spacecraft recorder housekeeping data c. SCC memory dump data	
:	EOC-5010#B		The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing: a. Real-time spacecraft and instrument housekeeping data b. Spacecraft recorder housekeeping data c. SCC memory dump data	
	EOC-5010#C		The EOC shall receive from EDOS the following telemetry data types in CCSDS packets containing: a. Real-time spacecraft and instrument housekeeping data including instrument and spacecraft housekeeping b. Spacecraft recorder housekeeping data c. SCC memory dump data	Requirement changed per CCR 94-0080A/505-01-41-050 and moved to release C per TD-NAS5-60000 #12.
:	EOC-8375#B		The EOC status report shall include at a minimum the following: b a. Compliance with the LTSP and LTIP c b. Anomaly reports d c. Maintenance report e d. ICC status report information	
	EOC-8375#C		The EOC status report shall include at a minimum the following: a. DAR statistics b. Compliance with the LTSP and LTIP c. Anomaly reports d. Maintenance reports e. ICC status report information	

	ICC-0030# CB	CB	The ICC shall have the capability to notify the TL or instrument PI at the IST of, at a minimum, the following: a. Conflicts found in planning and scheduling b. Arrival of instrument engineering data d c. Instrument anomalies found during instrument monitoring	EOC to ICC interface.
	ICC-0030#D		The ICC shall have the capability to notify the TL or instrument PI at the IST of, at a minimum, the following: a. Conflicts found in planning and scheduling b. Arrival of instrument engineering data c. Arrival of quick-look data d. Instrument anomalies found during instrument monitoring	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to Release C per TD NAS5-60000 #12.
:	ICC-0070#A		The ICC shall be capable of accommodating instrument team-provided software and/or hardware to perform functions such as: b a. Planning e b. Scheduling e c. Analysis f d. Onboard microprocessor management	A: Basic functionality provided.
:	ICC-0070#B		The ICC shall be capable of accommodating instrument team-provided software and/or hardware to perform functions such as: b a. Planning e b. Scheduling e c. Analysis f d. Onboard microprocessor management	B: Enhanced functionality provided.
	ICC-0070#C		The ICC shall be capable of accommodating instrument team-provided software and/or hardware to perform functions such as: a. DAR processing b. Planning c. Scheduling d. Quick-look processing e. Analysis f. Onboard microprocessor management	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to Release C per TD NAS5-60000 #12.

e	ICC-1010#C		The ICC shall provide the IMS with instrument information needed by the IMS for DAR generation.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1020#C		The ICC shall be able to generate and submit DARs to the IMS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1040#C		The ICC shall interface with the IMS to receive status of the DARs generated at the ICC.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1041#C		The ICC shall maintain the status of all DARs submitted to it from the IMS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1042#C		The ICC shall accept a DAR which requires the use of its instrument on the EOS spacecraft, up to three weeks before the start of the target week.	
e	ICC-1044#C		The ICC shall be able to accept a DAR or a DAR modification, which requires the use of its instrument on the EOS spacecraft, between three weeks and one week before the start of the target week, subject to availability of resources left unallocated.	Requirement deleted in CCR 9409980A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1050#C		The ICC shall receive DARs and their updates from the IMS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1060#C		The ICC shall be capable of processing a DAR that requires coordination with other observations.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1070#C		The ICC shall be capable of processing a DAR that specifies primary requests with alternatives in priority order.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per NAS5-60000 #12.

e	ICC-1080#C		The ICC shall evaluate, and accept or reject a DAR or DAR update, and notify the IMS on the basis of at a minimum the following: a. Completeness and consistency of the DAR b. Instrument capabilities and constraints c. Priorities based on the LTSP d. LTIP requirements and constraints e. Availability of resources	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1082#C		The ICC shall assign a priority to each DAR, based on a conformity check against the LTSP and the LTIP.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1090#C		The ICC shall have the capability to send a DAR evaluation request to the IST.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1100#C		The ICC shall accept from the IST either DAR acceptance notification with updates, if any, or DAR rejection notification along with the reasons for rejection.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1105#C		The ICC shall have the capability to communicate with a DAR originator(s) for modification and for clarification of DARs.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1110#C		The ICC shall be able to evaluate a DAR or DAR update within 24 hours of receipt from the IMS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1115#C		The ICC shall accept a DAR for a TOO observation up to 6 hours before the actual observation.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1140#C		The ICC shall be capable of processing a DAR that specifies observations in terms of times, targets (geographical locations), or both.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-1160#C		The ICC shall provide the IMS with DAR status information upon initial determination of acceptance or rejection, upon request from the IMS, or upon change to the DAR or DAR status.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.

e	ICC-1170#C		The ICC shall maintain a record of its approved DARs for inclusion in its plans and schedules.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-2055#A		The ICC shall notify the IMS of the planned or scheduled observation times associated with each DAR and any subsequent changes to the times.	
e	ICC-2055#B		The ICC shall notify the IMS of the planned or scheduled observation times associated with each DAR and any subsequent changes to the times.	
:	ICC-2110#B		The ICC shall be capable of converting PI/TL provided instrument deviation requests into scheduling directives suitable for inclusion in its instrument resource profile.	
:	ICC-2110#C		The ICC shall be capable of converting a DAR into scheduling directives suitable for inclusion in its plans and schedules.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12
:	ICC-2120#A		The ICC shall accept instrument deviation requests from the IST.	A: Basic functionality provided.
:	ICC-2120#B		The ICC shall accept instrument deviation requests from the IST.	B: Enhanced functionality provided.
:	ICC-2120#C		The ICC shall accept requests for instrument support activities from the IST.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
:	ICC-2190#A		The ICC shall build or update its instrument resource profile, or when a resource profile exists, its instrument resource deviation list, based, at a minimum, on the following: a. PI/TL provided instrument deviation requests b. LTSP and LTIP c. Current resource availability d. Current predicted orbit data and related information	A: Basic functionality provided.

ICC-2190#B		<p>The ICC shall build or update its instrument resource profile, or when a resource profile exists, its instrument resource deviation list, based, at a minimum, on the following:</p> <ul style="list-style-type: none"> a. PI/TL provided instrument deviation requests b. LTSP and LTIP c. Current resource availability d. Current predicted orbit data and related information e. <u>Rejection notification from the EOC of activities that can not be accommodated in the preliminary resource schedule</u> f. <u>Existing preliminary resource schedule</u> 	B: Enhanced functionality provided.
ICC-2190#C		<p>The ICC shall build or update its instrument resource profile, or when a resource profile exists, its instrument resource deviation list, based, at a minimum, on the following:</p> <ul style="list-style-type: none"> a. Accepted DARS (if any) and/or anticipated observations b. Instrument support activities c. LTSP and LTIP d. Current resource availability e. Current predicted orbit data and related information f. Rejection notification from the EOC of activities that can not be accommodated in the preliminary resource schedule g. Existing preliminary resource schedule 	Requirement changed per CCR 94-0080A/505-01-410-050 and moved to release C per TD NAS5-60000 #12
ICC-2210#A		<p>The ICC shall ensure that its instrument resource profile (or instrument resource deviation list) contains no internal conflicts.</p>	
ICC-2210#B		<p>The ICC shall ensure that its instrument resource profile (or instrument resource deviation list) contains no internal conflicts.</p>	

ICC-2280#A	<p>The ICC shall generate or update the instrument activity list, or when a baseline activity profile exists, the instrument activity deviation list, based, at a minimum, on the following:</p> <ul style="list-style-type: none"> ba. <u>PI/TL provided instrument deviation requests.</u> eb. LTSP and LTIP dc. Preliminary resource schedule ed. Current resource availability information fe. Current predicted orbit data and related information gh. Responses to contingency/emergency conditions hi. Rejection notification from the EOC of the activities that cannot be accommodated in the detailed activity schedule 	A: Basic functionality provided.
ICC-2280#B	<p>The ICC shall generate or update the instrument activity list, or when a baseline activity profile exists, the instrument activity deviation list, based, at a minimum, on the following:</p> <ul style="list-style-type: none"> ba. <u>PI/TL provided instrument deviation requests.</u> eb. LTSP and LTIP dc. Preliminary resource schedule ed. Current resource availability information fe. Current predicted orbit data and related information gf. Responses to contingency/emergency conditions hg. Rejection notification from the EOC of the activities that cannot be accommodated in the detailed activity schedule 	B: Enhanced functionality provided.

ICC-2280#C		<p>The ICC shall generate or update the instrument activity list, or when a baseline activity profile exists, the instrument activity deviation list, based, at a minimum, on the following:</p> <ul style="list-style-type: none"> a. DARs b. Instrument support activities c. LTSP and LTIP d. Preliminary resource schedule e. Current resource availability information f. Current predicted orbit data and related information g. Responses to contingency/emergency conditions h. Rejection notification from the EOC of the activities that cannot be accommodated in the detailed activity schedule 	<p>Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.</p>
ICC-2290#A		<p>The ICC shall generate the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) in both machine-usable and human-readable forms, to describe for each activity, at a minimum, as many of the following that apply:</p> <ul style="list-style-type: none"> <u>a. Activity identifier including traceability to PI/TL provided deviation requests.</u> b. Objectives c. Resource requirements d. Start time constraints and duration e. Instrument modes as a function of time f. Pointing angles and field of view (FOV) g. Specified tolerance limits h. Disturbances caused for each instrument mode 	<p>A: BASIC functionality provided.</p>

	ICC-2290#B	<p>The ICC shall generate the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) in both machine-usable and human-readable forms, to describe for each activity, at a minimum, as many of the following that apply:</p> <ul style="list-style-type: none"> <u>a. Activity identifier including traceability to PI/TL provided deviation requests.</u> b. Objectives c. Resource requirements d. Start time constraints and duration e. Instrument modes as a function of time f. Pointing angles and field of view (FOV) g. Specified tolerance limits h. Disturbances caused for each instrument mode 	B: Enhanced functionality provided.
	ICC-2290#C	<p>The ICC shall generate the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) in both machine-usable and human-readable forms, to describe for each activity, at a minimum, as many of the following that apply:</p> <ul style="list-style-type: none"> a. Activity identifier including traceability to DARs and/or instrument support activities. b. Objectives c. Resource requirements d. Start time constraints and duration e. Instrument modes as a function of time f. Pointing angles and field of view (FOV) g. Specified tolerance limits h. Disturbances caused for each instrument mode 	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
;	ICC-2350#B	<p>In support of a TOO observation or a late change, the ICC shall update the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) within 8 hours, if the corresponding observation or the late change affects existing instrument activities or creates new conflicts.</p>	

	ICC-2350#C		In support of a TOO observation or a late change, the ICC shall update the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) within 8 hours, if the DAR affects existing instrument activities or creates new conflicts.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
	ICC-2370#B		In support of a TOO observation, the ICC shall update the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) within 30 minutes, if the corresponding observation or the late change does not affect existing instrument activities or create new conflicts.	
	ICC-2370#C		In support of a TOO observation, the ICC shall update the instrument activity list or the instrument activity deviation list (when an activity profile exists for the instrument) within 30 minutes, if the DAR does not affect existing instrument activities or create new conflicts.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-4412#C		The ICC shall accept quick-look data sets from EDOS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to release C per TD NAS5-6000 #12.
e	ICC-4415#C		The ICC shall accept and be capable of displaying processed quick-look products from the DADS.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to release C per TD NAS5-6000 #12
e	ICC-4435#C		The ICC shall have the capability to process and display quick-look data.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to release C per TD NAS5-6000 #12.
	ICC-4500#B		The ICC shall provide the capability to generate instrument performance data based on the processing of instrument housekeeping data and instrument engineering data.	
	ICC-4610# C B	C B	Upon request from the PI/TL, the ICC shall provide the IST with at a minimum the following: a. Instrument performance assessment data	EOC to ICC interface.
	ICC-4610#D		Upon request from the PI/TL, the ICC shall provide the IST with at a minimum the following: a. Instrument performance assessment data b. Quick-look data.	EOC to ICC interface.

ICC-4710#A	<p>The ICC Instrument Data Base (IDB) shall include at a minimum the following:</p> <ul style="list-style-type: none"> a. Instrument housekeeping data formats b. Instrument engineering data formats c. Housekeeping and engineering parameter descriptions d. Command descriptions e. Syntactical rules for commands and operator directives f. Operator directives g. Display formats h. Planning and scheduling definitions and constraints i. Analysis algorithms j. Report formats lk. Derived telemetry parameter equations ml. Parameter limits nm. Instrument characteristics on. Command validation parameters 	
ICC-4710#B	<p>The ICC Instrument Data Base (IDB) shall include at a minimum the following:</p> <ul style="list-style-type: none"> a. Instrument housekeeping data formats b. Instrument engineering data formats c. Housekeeping and engineering parameter descriptions d. Command descriptions e. Syntactical rules for commands and operator directives f. Operator directives g. Display formats h. Planning and scheduling definitions and constraints i. Analysis algorithms j. Report formats lk. Derived telemetry parameter equations ml. Parameter limits nm. Instrument characteristics on. Command validation parameters 	

ICC-4710#C		<p>The ICC Instrument Data Base (IDB) shall include at a minimum the following:</p> <ul style="list-style-type: none"> a. Instrument housekeeping data formats b. Instrument engineering data formats c. Housekeeping and engineering parameter descriptions d. Command descriptions e. Syntactical rules for commands and operator directives f. Operator directives g. Display formats h. Planning and scheduling definitions and constraints i. Analysis algorithms j. Report formats k. Quick-look algorithms l. Derived telemetry parameter equations m. Parameter limits n. Instrument characteristics o. Command validation parameters 	<p>Requirement changed per CCR 94-0080A/505-01-410-050 and moved to release C per TD NAS5-60000 #12</p>
ICC-4780#A		<p>The ICC shall maintain a history log of instrument and ICC activities for at least 7 days, including at a minimum the following:</p> <ul style="list-style-type: none"> a. All messages sent and received b. Engineering and housekeeping data c. Operator requests/directives and responses d. Commands e. Microprocessor loads and dumps f. Limits violations g. Error conditions h. Instrument status data i. Executed schedules j. Analysis results k. Instrument calibration parameters l. Spacecraft status information <u>m. ICC reconfiguration information</u> 	

ICC-4780#B		<p>The ICC shall maintain a history log of instrument and ICC activities for at least 7 days, including at a minimum the following:</p> <ul style="list-style-type: none"> a. All messages sent and received b. Engineering and housekeeping data c. Operator requests/directives and responses d. Commands e. Microprocessor loads and dumps f. Limits violations g. Error conditions h. Instrument status data i. Executed schedules j. Analysis results k. Instrument calibration parameters l. Spacecraft status information m. ICC reconfiguration information 	
ICC-4780#C		<p>The ICC shall maintain a history log of instrument and ICC activities for at least 7 days, including at a minimum the following:</p> <ul style="list-style-type: none"> a. All messages sent and received b. Engineering and housekeeping data c. Operator requests/directives and responses d. Commands e. Microprocessors loads and dumps f. Limits violations g. Error conditions h. Instrument status data i. Executed schedules j. Analysis results k. Instrument calibration parameters l. Spacecraft status information m. Quick-look data nm. ICC reconfiguration information 	

ICC-6080#B		<p>The ICC shall provide the capability to analyze and report its internal performance at a minimum for the following:</p> <ul style="list-style-type: none"> a. CPU utilization b. Processing throughput for plans and schedules, DARs, and commands c. Equipment downtime d. Mass storage utilization e. Communication resource utilization f. Data accounting 	
ICC-6205# CB	CB	<p>The ICC status report shall include at a minimum the following:</p> <ul style="list-style-type: none"> ba. Compliance with LTIP cb. Anomaly reports dc. Maintenance reports 	EOC to ICC interface.
ICC-6205#D		<p>The ICC status report shall include at a minimum the following:</p> <ul style="list-style-type: none"> a. DAR statistics ba. Compliance with LTIP cb. Anomaly reports dc. Maintenance reports 	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to release C per TD-NAS5-60000 #12
ICC-7010#B		<p>The IST shall have the capability to accept from the ICC and display, in parallel with any current activities in the IST, a notification regarding at a minimum the following:</p> <ul style="list-style-type: none"> a. Conflicts found in planning and scheduling b. Arrival of instrument engineering data dc. Instrument anomalies found during instrument monitoring 	
ICC-7010#C		<p>The ISC shall have the capability to accept from the ICC and display, in parallel with any current activities in the IST, a notification regarding at a minimum the following:</p> <ul style="list-style-type: none"> a. Conflict found in planning and scheduling b. Arrival of instrument engineering data c. Arrival of quick-look data dc. Instrument anomalies found during instrument monitoring 	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to release C per TD-NAS5-60000 #12

e	ICC-7110#C		The IST shall provide the capability to communicate with a DAR originator(s) for modification and for clarification of DARs.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-7150#B		The IST shall be able to generate and submit DARs to the IMS using the IMS Toolkit.	
e	ICC-7150#C		The IST shall provide the capability to generate and submit DARS to the IMS.	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to release C per TD NAS5-60000 #12
e	ICC-7170#C		The IST shall receive from the IMS status of the DARs generated at the IST.	Requirement changed per CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-7180#C		The IST shall have the capability to accept from the ICC a DAR evaluation request along with the corresponding DAR.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-7190#C		The IST shall provide the capability to view and modify the DARs received from the ICC.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
e	ICC-7200#C		The IST shall provide the ICC with either DAR acceptance notification with updates, if any, or DAR rejection notification along with the reasons for rejection.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
	ICC-7430#B		The IST shall have the capability to request and accept from the ICC at a minimum the following: a. Real time instrument housekeeping and engineering data b. Real time spacecraft housekeeping data c. Derived parameters for its instrument d. Instrument performance assessment data	
	ICC-7430#C		The IST shall have the capability to request and accept from the ICC at a minimum the following: a. Real time instrument housekeeping and engineering data b. Real time spacecraft housekeeping data c. Derived parameters for its instrument d. Quick-look data e Instrument performance assessment data	Requirement changed per CCR 94-0080A/505-01-410-0050 and moved to release C per TD NAS5-60000 #12

e	ICC-7530#C		The IST shall have the capability to display quick-look data.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to release C per TD NAS5-6000 #12.
	ICC-6525#A		The ICC shall provide the capability to notify the operator of events and alarms .	
	ICC-6525#B		<p>The ICC status report shall include at a minimum the following:</p> <ul style="list-style-type: none"> a. DAR statistics b. Compliance with LTIP c. Anomaly reports d. Maintenance reports <p><u>The ICC shall provide the capability to notify the operator of events and alarms.</u></p>	Requirement changed per CCR 94-0080A/505-01-410-50 and moved to release C per TD NAS5-60000 #12
e	ICC-1130#D		In support of a TOO observation, the ICC shall be able to evaluate the corresponding DAR received from the IMS within 30 minutes.	Requirement deleted in CCR 94-0080A/505-01-41-050 and moved to Release C per TD NAS5-60000 #12.
	ICC-1130#C B	C B	In support of a TOO observation, the ICC shall be able to evaluate the corresponding DAR received from the IMS request within 30 minutes.	EOC to ICC interface.